

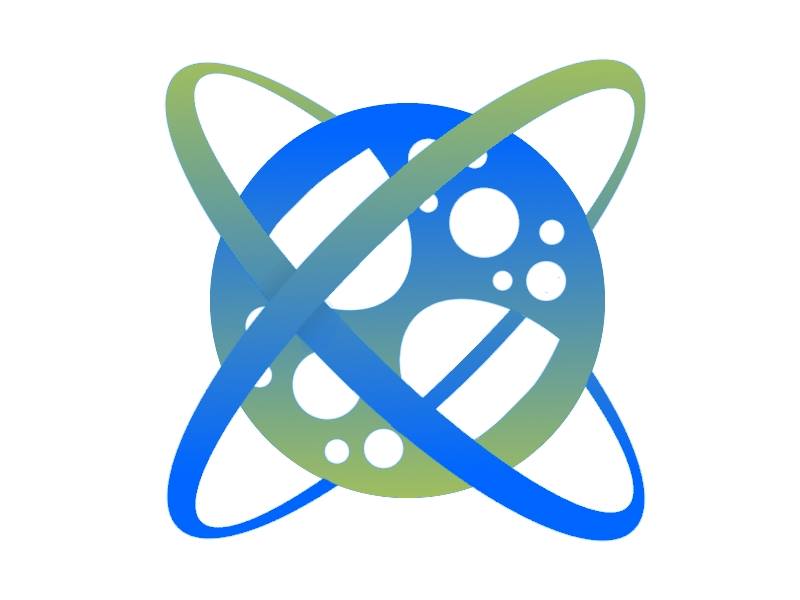
**Software Process, SOEN 341/4 S, Winter 2016**

Dr. Shang

Dr. Fancott

Mr. Morse

**TimeTurner** by team YAWD

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**Project Design Document – Deliverable 2**

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Grading Sheet

|  |  |  |
| --- | --- | --- |
| Section | Evaluation criteria (see instructions in the template for details) | Grading |
| all | 10 marks are allocated for excellence, professionalism and quality of work above and beyond the correct meeting of specifications.. | /10 |
| 1 | Presentation of this document | /5 |
| 2 | Completeness and accuracy with regard to initial project description | /1 |
| 3.1 .  .  3.2  3.3 | Completeness and accuracy of the project functional requirements expressed as formal use cases, including difficulty and importance indicators  completeness and accuracy of the diagram and description of the domain model  completeness and accuracy with regard to initial project description accuracy with regard to initial project description, difficulty and importance ratings | /15  .  /3 .  /1 |
| 4.1 | Description of all team members’ capacities and schedule restrictions | /1 |
| 5 | List of goals removed from the project.  For each goal removed, give justifications in light of the resources available | /`1 |
| 6.1 .  6.2 | Clarity of textual description, validity of rationale, clarity and appropriateness of diagram, list of modules responsibilities  List of technologies used, validity of rationale | /2 .  /1 |
| 7.1 .  7.2 .  7.3 .  7.4  7.5  7.6 | Completeness of list of activities, clarity of their stated purpose, as well as statement of what artifacts they are producing  Completeness of list of artifacts to be produced during the project, validity of roles description of each artifact  Cost estimation of each individual artifact, validity of explanation of cost estimation, total cost estimate  Mapping of activities to individual project members  Accurate and complete presentation of milestones  *Assessment of risks `* | /1 .  /2 .  /2 .  /1  /1  /1 |
| 8 | Early Prototyping | /2 |
| Total |  | /50 |

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# Introduction

# Project Description

The proposed and outlined web application, known as TimeTurner, is designed to auto-generate a student’s course sequence from their first semester up until the end of their degree. It takes into account user input preferences and and any previously completed courses or course prerequisites before creating this sequence. Preferences can be made by the student and include options such as night classes or having particular days off. The application will notify the user if a certain preference suggested results in an impossibility or conflict in the sequence. This sequence generator will be able to create a sequence at any point throughout the user’s degree, if sudden change in circumstances were to arise.

The goal of this application is to simplify the method with which students may decide and schedule their courses. If a course must be redone, the generator can decide what other courses should move where in regards to the remaining courses to be completed, which can be done in seconds, rather than hours. It saves the time of the user, in a simple and efficient manner. Ultimately, the system’s end goal will be to simplify a student’s task of creating their own course schedule in order to allow students to redirect their time to other more important activities, thus making course registration much simpler, quicker, and easier.

# Architectural Design

## Architecture Diagram (4+1 View)

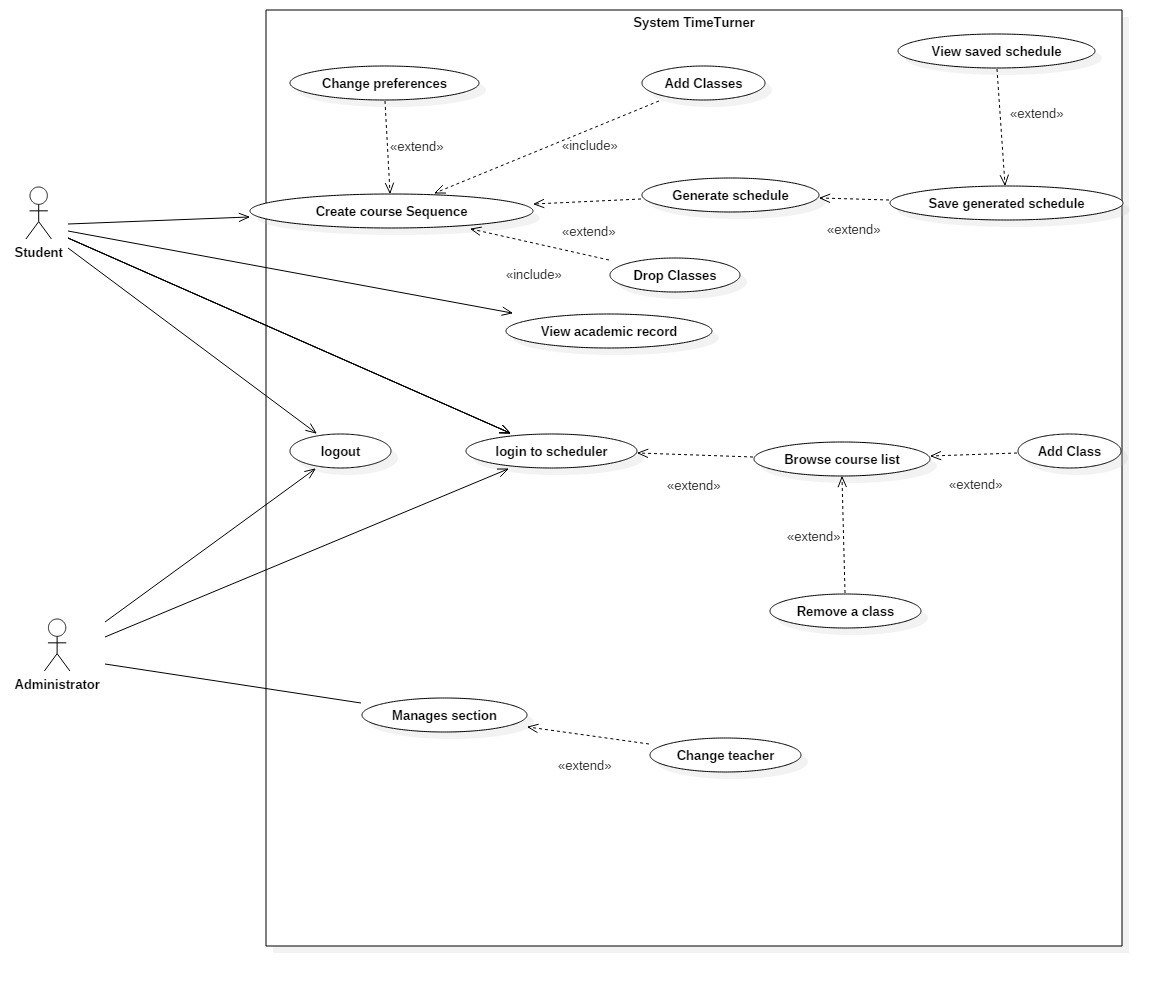
Physical View

Logical View

Process View

Development View

Situational View (Use Cases)



## Subsystem Interfaces Specifications

# Detailed Design

## Detailed Design Diagram

## Unit Descriptions

# Dynamic Design Scenarios

# Estimation

# Rapid Prototyping and Risk